

Date: October 30, 2000

Page 1

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 USC 371**

International Application No.: PCT/RU99/00149

International Filing Date: April 30, 1999

Priority Date Claimed: April 30, 1998, January 18, 1999.

Title of Invention: STABILIZED AND CONTROLLED ELECTRON SOURCES, MATRIX  
SYSTEMS OF THE ELECTRON SOURCES, AND METHOD FOR  
PRODUCTION THEREOFApplicants for DO/EO/US: Evgeny Invievich Givargizov, Michael Evgenievich Givargizov, Vladimir Ilich  
Ershov, Nina Ivanovna ManshinaApplicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and  
other information:

1. (x) This is a **FIRST** submission of items concerning a filing under 35 USC 371.
2. ( ) This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC 371.
3. (X) This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).
4. (X) A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. (X) A copy of the International Application as filed (35 USC 371(c)(2))
  - a) ( ) is transmitted herewith (required only if not transmitted by the International Bureau).
  - b) (X) has been transmitted by the International Bureau.
  - c) ( ) is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ( ) A translation of the International Application into English (35 USC 371(c)(2)).
7. (X) Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
  - a) ( ) are transmitted herewith (required only if not transmitted by the International Bureau).
  - b) ( ) have been transmitted by the International Bureau.
  - c) ( ) have not been made; however, the time limit for making such amendments has NOT expired.
  - d) (X) have not been made and will not be made.
8. ( ) A translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).
9. ( ) An oath or declaration of the inventor(s) (35 USC 371(c)(4)).
10. (X) A copy of the International Preliminary Examination Report with any annexes thereto, such as any amendments made under PCT Article 34.

Date: October 30, 2000

526 Rec'd PCT/PTO 30 OCT 2000

Page 2

11. ☐ A translation of the annexes, such as any amendments made under PCT Article 34, to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

12. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
13. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
14. ☐ A substitute specification.
15. ☐ A power of attorney and/or address letter.
16. ☒ International Application as published.
17. ☒ Small Entity Statement.
18. ☐ PCT Form PCT/IPEA/402.
19. ☐ PCT Form PCT/IB/308.
20. ☐ PCT request form.
21. ☒ A return prepaid postcard.
22. ☒ A FIRST preliminary amendment. Please calculate fees after entering the attached Preliminary Amendment
23. ☒ The following fees are submitted:

U.S. Application No.

International Application No.  
PCT/RU999/00149Attorney Docket No.  
GIVAR5.001 APC

Date: October 30, 2000

526 Rec'd PCT/PTO 30 OCT 2000  
Page 3

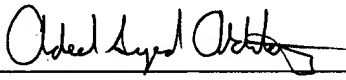
				FEES
<b>BASIC FEE</b>				\$1000
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>	
Total Claims	37 - 20 =	17 ×	\$18	\$340
Independent Claims	5 - 3 =	2 ×	\$80	\$160
Multiple dependent claims(s) (if applicable)			\$270	\$0
<b>TOTAL OF ABOVE CALCULATIONS</b>				\$1500
Reduction by 1/2 for filing by small entity (if applicable). Verified Small Entity statement must also be filed. (NOTE 37 CFR 1.9, 1.27, 1.28)				\$750
<b>TOTAL NATIONAL FEE</b>				\$750
<b>TOTAL FEES ENCLOSED</b>				\$750
amount to be refunded:				\$
amount to be charged:				\$

24. (X) A check in the amount of \$750 to cover the above fees is enclosed.
25. () Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property.
26. (X) The Commissioner is hereby authorized to charge only those additional fees which may be required, now or in the future, to avoid abandonment of the application, or credit any overpayment to Deposit Account No. 11-1410. A duplicate copy of this sheet is enclosed.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

KNOBBE, MARTENS, OLSON & BEAR, LLP  
620 Newport Center Drive  
Sixteenth Floor  
Newport Beach, CA 92660  
(415) 954-4114

  
Adeel S. Akhtar  
Reg No. 41,349

W:/DOCS/RPC/RPC/1060

BBE, MARTENS, OLSON & ASSOCIATES, P.C.  
A LIMITED LIABILITY PARTNERSHIP INCLUDING  
PROFESSIONAL CORPORATIONS

PATENT, TRADEMARK AND COPYRIGHT CAUSES

201 CALIFORNIA STREET

SUITE 1150

SAN FRANCISCO, CALIFORNIA 94111-3335

(415) 954-4114

FAX (415) 954-4111

INTERNET: WWW.KMOB.COM



LOUIS J. KNOBBE\*  
DON W. MARTENS\*  
GORDON H. OLSON\*  
JAMES B. BEAR  
DARRELL L. OLSON\*  
WILLIAM B. BUNKER  
WILLIAM H. NIEMAN  
ARTHUR S. ROSE  
JAMES F. LESNIAK  
NED A. ISRAELSEN  
DREW S. HAMILTON  
JERRY T. SEWELL  
JOHN B. SGANGA, JR.  
EDWARD A. SCHLATTER  
GERARD VON HOFFMANN  
JOSEPH R. RE  
CATHERINE J. HOLLAND  
JOHN M. CARSON  
KAREN VOGEL WEIL  
ANDREW H. SIMPSON  
JEFFREY L. VAN HOESEAR  
DANIEL E. ALTMAN  
MARGUERITE L. GUNN  
STEPHEN C. JENSEN  
VITO A. CANUSO III  
WILLIAM H. SHREVE  
LYNDA J. ZADRA-SYMES\*  
STEVEN J. NATAUPSKY  
PAUL A. STEWART  
JOSEPH F. JENNINGS  
CRAIG S. SUMMERS  
ANNEMARIE KAISER  
BRENTON R. BABCOCK

THOMAS F. SNEGAL, JR.  
MICHAEL H. TRENHOLM  
DIANE M. REED  
JONATHAN A. BARNEY  
RONALD J. SCHOENBAUM  
JOHN R. KING  
FREDERICK S. BERRETTA  
NANCY WAYS VENSKO  
JOHN P. GIEZENTANNER  
ADEEL S. AKHTAR  
GINGER R. DREGER  
THOMAS R. ARNO  
DAVID N. WEISS  
DANIEL HART, PH.D.  
DOUGLAS G. MUEHLHAUSER  
LORI LEE YAMATO  
MICHAEL K. FRIEDLAND  
STEPHEN M. LOBBIN  
STACEY R. HALPERN  
DALE C. HUNT, PH.D.  
LEE W. HENDERSON, PH.D.  
DEBORAH S. SHEPHERD  
RICHARD E. CAMPBELL  
MARK M. ABUMERI  
JON W. GURKA  
ERIC M. NELSON  
MARK R. BENEDICT, PH.D.  
PAUL N. CONOVER  
ROBERT J. ROBY  
SABING H. LEE  
KAROLINE A. DELANEY  
JOHN W. HOLCOMB  
JAMES J. MULLEN, III, PH.D.

JOSEPH S. CIANFRANI  
JOSEPH M. REISMAN, PH.D.  
WILLIAM R. ZIMMERMAN  
GLEN L. NUTTALL  
ERIC S. FURMAN, PH.D.  
TIRZAH ABE LOWE  
GEOFFREY Y. IIDA  
ALEXANDER S. FRANCO  
SANJIVPAL S. GILL  
SUSAN M. MOSS  
JAMES W. HILL, M.D.  
ROSE M. THIESSEN, PH.D.  
MICHAEL L. FULLER  
MICHAEL A. GUILIANA  
MARK J. KERTZ  
RABINDER N. NARULA  
BRUCE S. ITCHKAWITZ, PH.D.  
PETER M. MIDGLEY  
THOMAS S. MCCLLENAHAN  
MICHAEL S. OKAMOTO  
JOHN M. GROVER  
MALLARY K. DE MERLIER  
IRFAN A. LATEEF  
AMY C. CHRISTENSEN  
SHARON S. NG  
MARK J. GALLAGHER, PH.D.  
DAVID G. JANKOWSKI, PH.D.  
BRIAN C. HORNE  
PAYSON J. LEMEILLEUR  
DIANA W. PRINCE  
SHEILA N. SWAROOP

OF COUNSEL

JERRY R. SEILER  
PAUL C. STEINHARDTJAPANESE PATENT ATTY  
KATSUHIRO ARAI\*\*EUROPEAN PATENT ATTY  
MARTIN HELLEBRANDTKOREAN PATENT ATTY  
MINCHEOL KIMSCIENTISTS & ENGINEERS  
(NON-LAWYERS)

RAIMOND J. SALENIEKS\*\*  
DANIEL E. JOHNSON, PH.D.\*\*  
JEFFERY KOEPEKE, PH.D.\*\*  
KHURRAM RAHMAN, PH.D.  
JENNIFER A. HAYNES, PH.D.  
BRENDAN P. O'NEILL, PH.D.  
THOMAS Y. NAGATA  
YASHWANT VAISHNAV, PH.D.  
MEGUMI TANAKA  
CHE S. CHERESKIN, PH.D.\*\*  
ERIK W. ARCHBOLD  
PHILIP C. HARTSTEIN  
JULIE A. HOPPER  
CHRIS S. CASTLE  
JAMES W. AUSLEY  
R. P. CARON, PH.D.  
JENNIFER HAYES  
KIRK E. PASTORIAN, PH.D.  
CHARLES T. RIDGELY  
KEITH R. MCCOLLUM  
BONNY YEUNG, PH.D.  
CONNIE C. TONG, PH.D.

\* A PROFESSIONAL CORPORATION  
\* ALSO BARRISTER AT LAW (U.K.)  
\*\* U.S. PATENT AGENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"****Attorney Docket No.:** GIVAR5.001APC**Applicant(s)** Evgeny Ivievich Givargizov, Michael Evgenievich,  
Vladimir Iliich Ershow, Nina Ivanovna Manshina**For:** STABILIZED AND CONTROLLED ELECTRON SOURCES,  
MATRIX SYSTEMS OF THE ELECTRON SOURCES, AND  
METHOD FOR PRODUCTION THEREOF**Attorney:** Adeel S. Akhtar**"Express Mail"****Mailing Label No.:** EL511828967US**Date of Deposit :** October 30, 2000

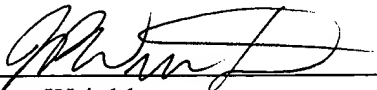
I hereby certify that the accompanying

Transmittal in Duplicate; International Application Published Under PCT; International  
Preliminary Examination Report; Small Entity Statement; Check for Filing Fee; Return  
Prepaid Postcard

09/674415

526 Rec'd PCT/PTO 30 OCT 2000

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

  
\_\_\_\_\_  
Jason Wrinkle

W:\DOCS\RPC\RPC-1065.DOC  
103000